

Please amend claims 1, 2, 11 and 13 as follows:

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1. (Once Amended) A braking and back-up warning system for a vehicle having at least one wheel, said system comprising:

- a brake mechanism;
- a pneumatic control module connected to said brake mechanism;
- electronic structure configured to perform a back-up warning function;
- an electronic control module connected to said pneumatic control module and to said electronic structure; and
- a wheel sensing arrangement connected to said electronic control module, said wheel sensing arrangement configured to sense movement of the wheel of the vehicle and configured to communicate information relating to that which is sensed by said wheel sensing arrangement to said electronic control module, said electronic control module configured to operate said electronic structure based on information which is received from said wheel sensing arrangement relating to a direction of the wheel which is sensed by said wheel sensing arrangement.

A1

2. (Once Amended) A system as defined in claim 1, said electronic structure comprising at least one of structure for sounding an audible alarm and for lighting a lamp.

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A2

11. (Once Amended) A braking and back-up warning system for a vehicle having at least one wheel, said system comprising:

- a brake mechanism;
- a pneumatic control module connected to said brake mechanism;

A2d
at least one of structure for sounding an audible alarm and for lighting a lamp;
an electronic control module connected to said pneumatic control module and to at
least one of said structure for sounding an audible alarm and for lighting said lamp;
a voltage source connected to said electronic control module; and
a circuit which includes at least one sensor configured to sense movement of the
wheel, said circuit configured to provide at least one signal to said electronic control module
relating to the speed of the wheel which is sensed by said circuit and provide at least one
signal to said electronic control module relating to the direction of the wheel which is sensed
by said circuit, said electronic control module configured to selectively connect said voltage
source to at least one of said structure for sounding an audible alarm and for lighting said
lamp, depending on the at least one signal which is received from said circuit relating to the
~~direction of the wheel which is sensed by said circuit.~~

A3
23/ 13. (Once Amended) A system as defined in claim 21/ 11, said electronic control module
comprises a relay and is configured to selectively operate said relay to connect said voltage
source to at least of said structure for sounding an audible alarm and for lighting said lamp.

Please add new claims 33-43 as follows:

A4
33. (New) A system as defined in claim 1/ 1, wherein said electronic control module is
configured to operate said pneumatic control module based on information which is received
from said wheel sensing arrangement relating to a speed of the wheel which is sensed by said
wheel sensing arrangement.

~~1057~~ 34. (New) A system as defined in claim 1, wherein wheel sensing arrangement comprises an exciting element and a sensor member, said sensor member having at least one sensing element mounted thereon for use in determining the speed of rotation of the wheel and for determining the direction of rotation of the wheel by sensing said exciting ring.

~~13~~ 35. (New) A system as defined in claim ~~34~~¹², wherein two sensing elements are provided on said sensor member and are spaced apart from each other a predetermined distance.


~~14~~ 36. (New) A system as defined in claim ~~34~~¹², wherein said at least one sensing element sinks current from said electronic control module, and wherein the frequency at which said at least one sensing element sinks current from said electronic control module is proportional to the speed of the wheel.

~~15~~ 37. (New) A system as defined in claim ~~34~~¹², wherein said exciting element includes a plurality of magnet poles.

~~16~~ 38. (New) A system as defined in claim ~~37~~¹⁵, wherein two sensing elements are provided on said sensor member and are spaced apart from each other by an integral number of poles plus or minus approximately 90 degrees.

~~17~~ 39. (New) A system as defined in claim ~~34~~¹², wherein said electronic control module includes a stored program which is capable of providing constant power to said electronic structure.

~~18~~ ~~40~~ ¹² (New) A system as defined in claim ~~34~~, wherein said at least one sensing element uses active sensing technology.

 ~~19~~ ¹² (New) A system as defined in claim ~~34~~, wherein said at least one sensing element is a pair of hall effect semiconductor elements.

~~20~~ ¹² (New) A system as defined in claim ~~34~~, wherein said exciting element is a ferrite magnet in a plastic carrier matrix.

~~30~~ ²⁶ ~~43~~ ²¹ (New) A system as defined in claim ~~11~~, wherein said electronic control module is configured to operate said pneumatic control module based on said at least signal which is received from said circuit relating to a speed of the wheel which is sensed by said circuit.

REMARKS

Applicant, by the amendments presented above, has made a concerted effort to present claims which clearly define over the prior art of record, and thus to place this case in condition for allowance.

Currently, claims 1-15 and 33-43 are pending. Claims 33-43 were added in this Amendment. Claims 16-32 were canceled without prejudice in this Amendment.

Responsive to the Restriction Requirement, Applicant elects invention I. Claims 1-15, drawn to a brake system, classified in class 303, subclass 7.